

ORIGINAL  
FILE

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September 30, 1992

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**SEP 30 1992**

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

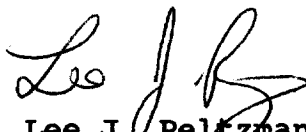
Re: MM Docket No. 92-132  
File No. BPED-900606MC  
He's Alive Incorporated  
Murrysville, PA

Dear Ms. Searcy:

Transmitted herewith, on behalf of He's Alive Incorporated, applicant for a new FM non-commercial educational broadcast station on Channel 201A at Murrysville, Pennsylvania, are an original and six copies of its Petition for Leave to Amend.

Please contact the undersigned should questions arise with respect to this filing.

Very truly yours,



Lee J. Peltzman  
Counsel for  
HE'S ALIVE INCORPORATED

LJP:bpt  
Enclosure  
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Before the  
Federal Communications Commission  
Washington, D.C. 20554

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SEP 30 1992  
FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

In re Applications of	)	MM Docket No. 92-132
	)	
CARNEGIE-MELLON	)	File No. BPED-891108MA
STUDENT GOVERNMENT	)	
CORPORATION	)	
	)	
For Construction Permit for	)	
a Major Change, Station	)	
WRCT(FM), Channel 202A	)	
Pittsburgh, Pennsylvania	)	
	)	
HE'S ALIVE, INCORPORATED	)	File No. BPED-900606MC
	)	
For Construction Permit for	)	
a New Non-commercial	)	
Educational FM Station	)	
Channel 201A	)	
Murrysville, Pennsylvania	)	
	)	
To: Administrative Law Judge		
John M. Frysiak		

PETITION FOR LEAVE TO AMEND

He's Alive Incorporated ("He's Alive"), by its attorneys, pursuant to Section 73.3522(b) of the Commission's rules, hereby files a Petition for Leave to Amend its application. In support of this petition, the following is submitted:

1. He's Alive seeks to amend its application to specify a new antenna pattern in order to eliminate a mutual exclusivity with the application of Carnegie-Mellon Student Government Corporation ("Carnegie-Mellon"), licensee of Station WRCT(FM), Pittsburgh, Pennsylvania (File No. BPED-891108MA). Acceptance of He's Alive's amendment as well as that of Carnegie-Mellon will allow the mutually-exclusive

proposals to break free and be granted by the Commission. Accordingly, good cause is present for acceptance of both applicants' amendment.<sup>1</sup>

2. Since, with the acceptance of both the Carnegie-Mellon's and He's Alive's amendments, there will no longer be a comparative proceeding, there are no parties which can be prejudiced by acceptance of this amendment. In that respect it is noted that neither of the proposals will result in interference to any party. Neither does either proposal involve a violation of the Commission's technical rules. Clearly, it is in the public interest to grant these amendments, since approval will eliminate the need for an expensive proceeding that will not only drain the resources of the non-commercial applicants involved, but those of the Commission as well. Granting the amendments, thus, will not result in delay of the administrative process, but will actually expedite it by permitting the subject applications to be granted immediately. See California Broadcasting Corp., 51 RR 2d 1539, 1545 (1982); Son Broadcasting, Inc., 52 RR 2d 1017, 1018 (Rev. Bd. 1982). Acceptance of He's Alive amendment is manifestly in the public interest because it will expedite additional new and improved service to the public.

---

<sup>1</sup>It is necessary that both amendments be accepted for the mutual-exclusivity to be broken. Therefore, He's Alive requests that the Presiding Judge grant both amendments coincidentally.

Wherefore, in view of the above, the public interest would be served by a grant of He's Alive's Petition for Leave to Amend, acceptance of its amendment and grant of its application.

Respectfully submitted,

**HE'S ALIVE INCORPORATED**

By: 

B. Jay Baraff

By: 

Lee J. Peltzman

Its Attorneys

**BARAFF, KOERNER, OLENDER  
& HOCHBERG, P.C.  
5335 Wisconsin Ave., N.W.  
Washington, D.C. 20015  
(202) 686-3200**

**September 30, 1992**

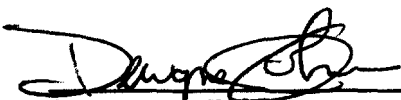
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MM Docket No. 92-132  
File No. BPED-900606MC  
He's Alive, Inc.  
Murrysville, PA

**AMENDMENT**

Please amend the application of He's Alive, Inc., to include the following information.

Date: September 29 , 1992

  
Dewayne Johnson  
President  
HE'S ALIVE, INC.

**FCC Original**

**Engineering Exhibit**

**APPLICATION FOR CONSTRUCTION PERMIT**

prepared for  
**He's Alive, Inc.**  
Ch 201A (88.1 MHz) Murrysville, Pennsylvania

September 21, 1992

**Suffa & Cavell, Inc.**

---

**Consulting Engineers  
3975 University Drive  
Suite #450  
Fairfax, VA 22030  
703-591-0110**

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# **ENGINEERING EXHIBIT**

## **Amendment to Application for Construction Permit**

prepared for  
**He's Alive, Inc.**  
Murrysville, Pennsylvania

Ch 201A (88.1 MHz) 0.20 KW-DA (V) 74 m

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Table 5	Channel 6 Population Data
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# Section V-B - FM BROADCAST ENGINEERING DATA

## FOR COMMISSION USE ONLY

File No. \_\_\_\_\_

ASB Referral Date \_\_\_\_\_

Referred by \_\_\_\_\_

Name of Applicant

He's Alive, Inc.

Call letters (if issued)

New

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: \_\_\_\_\_

Purpose of Application: (check appropriate box(es))

☐ Construct a new (main) facility

☐ Construct a new auxiliary facility

☐ Modify existing construction permit for main facility

☐ Modify existing construction permit for auxiliary facility

☐ Modify licensed main facility

☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height

☐ Effective radiated power

☐ Antenna height above average terrain

☐ Frequency

☐ Antenna location

☐ Class

☐ Main Studio location

☒ Other (Summarize briefly)

Amend Application BPED-900606MC to specify new antenna pattern and eliminate mutal exclusivity with BPED-891108MA.

File Number(s) \_\_\_\_\_

### 1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
201	Murrysville	Westmoreland	PA

Class (check only one box below)

☒ A ☐ B1 ☐ B ☐ C3

☐ C2 ☐ C1 ☐ C ☐ D

### 2. Exact location of antenna. (No Change)

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.  
2.8 km Southwest of intersection of Rt. 380 and Rt. 286, Near Renton, Allegheny County, Pennsylvania

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	40	28	51	Longitude	79	43	26
----------	----	----	----	-----------	----	----	----

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? (No Change)

☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both.

N/A

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	°	'	"	Longitude	°	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.  
Appen. 1

Date May 16, 1991 Office where filed Eastern Regional Office

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>Pittsburgh-Monroeville</u>	<u>4.75</u>	<u>230°</u>
(b) _____	_____	_____

7. (a) Elevation: *(to the nearest meter)* (No Change)

(1) of site above mean sea level; 365.8 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 34 meters

(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 399.8 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

(1) above ground \_\_\_\_\_ meters (H)

NOTE: Vertical Polarization Only

(2) above mean sea level [(aX1) + (bX1)] 30 meters (V)

395.8 meters (V)

(3) above average terrain \_\_\_\_\_ meters (H)

73.8 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.  
\*

9. Effective Radiated Power:

(a) ERP in the horizontal plane 0 kw (H\*) 0.200 kw (V\*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.  
N/A

N/A kw (H\*) N/A kw (V\*)

\*Polarization

\* On File BPED-900606MC, no change proposed

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

☒ Yes ☐ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.  
Fig. 1

Table 1

Stmt A

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.  
N/A

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)

Exhibit No.  
\*

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.  
\*

14. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.  
Fig. 2

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 176.9 sq. km.

Population 79,266 (1990 Census)

16. Attach as an Exhibit a map *(Sectional Aeronautical charts where obtainable)* showing the present and proposed 1 mV/m (60 dbu) contours.

Exhibit No.  
Fig. 3  
Stmt. B

Enter the following from Exhibit above:

Gain Area 75.6 km<sup>2</sup> sq. mi.  
Loss Area 27.2 km<sup>2</sup> sq. mi.

Percent change (gain area plus loss area as percentage of present area) 74.5 %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

\* On File, BPED 900606MC, No Change Proposed

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (*Sectional Aeronautical Chart or equivalent*) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.  
N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: N/A)

18. Terrain and coverage data (*to be calculated in accordance with 47 C.F.R. Section 73.313*).

Source of terrain data: (*check only one box below*)

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: NGDC - TPG0050)

☐ Other (*briefly summarize*).

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0		
45		
90	SEE TABLE 2	
135		
180		
225		
270		
315		

Allocation Studies

(See Subpart C of 47 C.F.R. Part 73)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.  
N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☒ Yes ☐ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.  
\*

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.  
Fig. 4A & 4B  
Stmt C  
Table 2  
Tables 3A-3C

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ (separation requirements involving intermediate frequency (i.f.) interference).

Exhibit No.  
\*

23(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☐ No

N/A

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.  
N/A

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.  
N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

\* One File BPED 900606MC, No Change Proposed

**SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)**

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.  
N/A

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☒ Yes ☐ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties, or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.  
Fig. 5

Stmt D

Tables 4A-C, 5

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.  
N/A

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

☐ Yes ☒ No

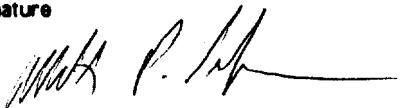
If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.  
N/A

If No, explain briefly why not. Proposal may be categorically excluded from environmental processing. See Stmt. E.

**CERTIFICATION**

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
William P. Suffa	Consulting Engineer
Signature	Address (Include ZIP Code)
	Suffa and Cavell, Inc. 3975 University Drive, #450 Fairfax, VA 22030
Date	Telephone No. (Include Area Code)
September 21, 1992	(703) 591-0110

Statement A  
**PROPOSED DIRECTIONAL ANTENNA**

prepared for  
**He's Alive, Inc.**  
Murrysville, Pennsylvania

Ch 201A (88.1 MHz) 0.20 KW-DA (V) 74 m

Figure 1 is a directional antenna envelope pattern which shows the permissible radiation from the proposed facility along all azimuths. This is a composite envelope, within which the vertically polarized radiation pattern will be contained. Upon grant of this application, an antenna will be designed to match this pattern as closely as possible without exceeding the pattern limits shown herein.

The proposed envelope pattern does not change by more than 2 dB per 10 degrees of azimuth. The ratio of maximum to minimum radiation is 12 dB, well below the 15 dB limit contained in Section 73.510(b) of the FCC Rules. He's Alive, Inc. is proposing use of a composite Scala antenna system, which will be directionalized to accommodate the pattern requirements. A substitute manufacturer or antenna type may be specified following grant of this application. The antenna make, model and measured antenna pattern will be submitted with the Application for License to cover this construction.

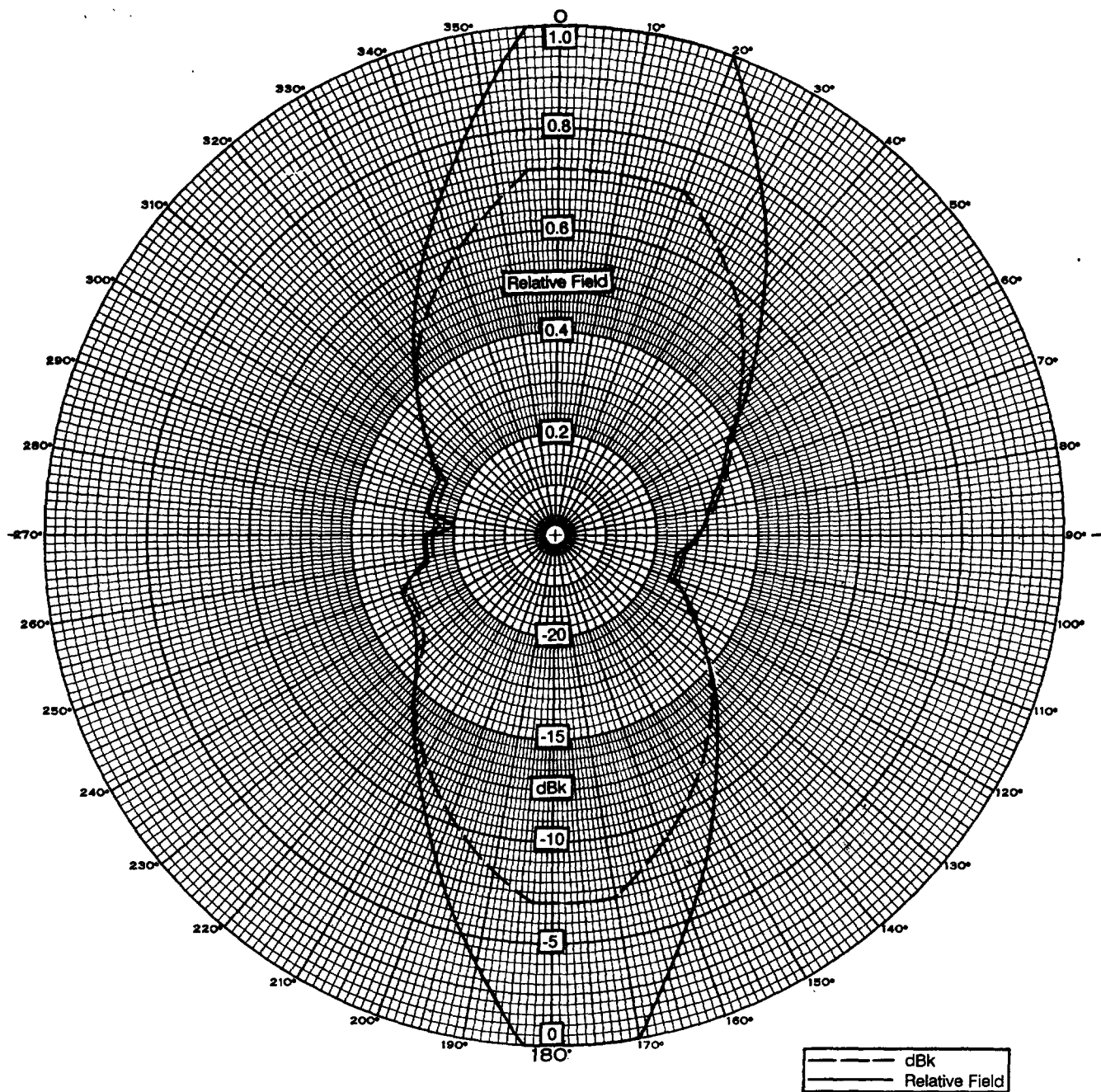
An elevation pattern has not been included as the final antenna type has not been selected. Since the proposed antenna will consist of an array of yagi type antennas, the elevation pattern will be affected by the number of elements ultimately employed. The elevation pattern of the antenna will be included in the application for license.

The antenna will be mounted on the proposed tower in accordance with the installation instructions to be supplied by the manufacturer. The tower will not have a top mounted platform that exceeds the nominal cross sectional area of the tower itself. No other antennas will be mounted within the FM antenna aperture, nor will any other antenna be installed on the tower within the minimum vertical or horizontal distance specified by the

**Statement A (con't)**

FM antenna manufacturer as being necessary for proper directional operation. The pattern measurements performed by the manufacturer will duplicate as closely as possible the proposed tower, including all pertinent structural members.

Table 1 is a tabulation of the horizontal plane pattern envelope, including minima and maxima.



**FIGURE 1**  
**PROPOSED HORIZONTAL**  
**PLANE RADIATION PATTERN**

prepared September 1992 for  
 He's Alive, Inc.  
 Murrysville, Pennsylvania

Ch 201A 0.2 kW (MAX-DA) 74 m

Suffa and Cavell, Inc.  
 Consulting Engineers - Fairfax, VA

**Table 1**

**Directional Pattern Data**

prepared for

**He's Alive, Inc.**

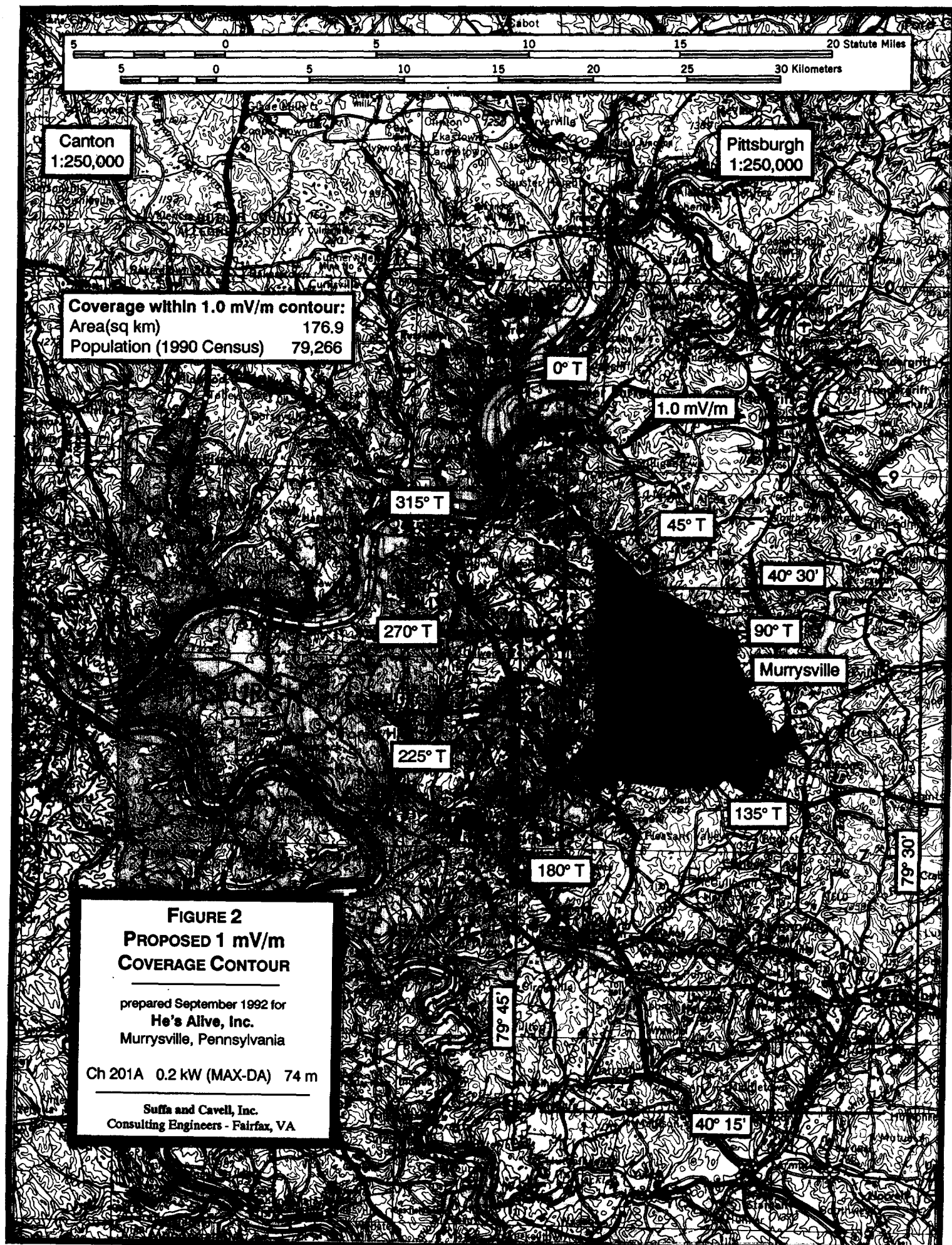
**Murrysville, Pennsylvania**

**Ch 201A 0.2 KW-DA (V) 74 m**

<b><u>Azimuth</u></b> <b><u>(deg true)</u></b>	<b><u>Power</u></b> <b><u>(dBK)</u></b>	<b><u>Relative</u></b> <b><u>Field</u></b>
0	-7.00	1.000
30	-9.00	0.794
40	-11.00	0.631
45	-12.00	0.562
50	-13.00	0.501
60	-15.00	0.398
70	-16.00	0.355
80	-17.00	0.316
90	-18.00	0.282
100**	-19.00	0.251
110	-19.00	0.251
120	-17.00	0.316
130	-15.00	0.398
140	-13.00	0.501
150	-11.00	0.631
160	-9.00	0.794
170	-7.00	1.000
180*	-7.00	1.000
183	-7.00	1.000
190	-8.40	0.851
200	-10.40	0.676
210	-12.40	0.537
220	-14.40	0.427
230	-16.40	0.339
240	-17.00	0.316
250	-17.00	0.316
260-270	-19.00	0.251
*275**	-20.00	0.224
280-290	-19.00	0.251
296	-19.00	0.251
300	-18.20	0.275
310	-16.20	0.347
320	-14.20	0.437
330	-12.20	0.550
340	-10.20	0.692
350	-8.20	0.871
356	-7.00	1.000

\* Pattern Maxima

\*\*Pattern Minima



**Statement B**  
**PROPOSED COVERAGE**

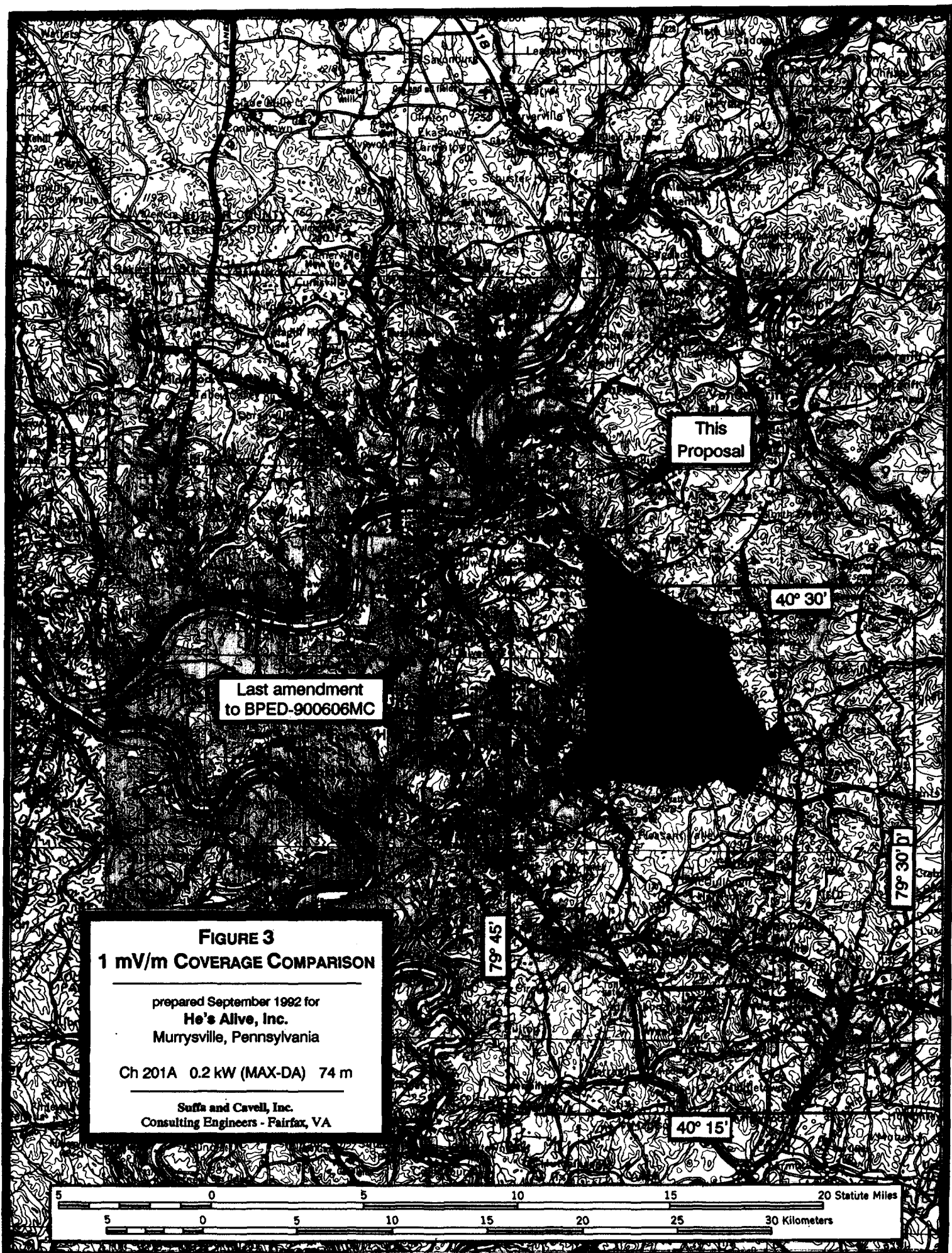
prepared for  
**He's Alive, Inc.**  
Murrysville, Pennsylvania

Ch 201A (88.1 MHz) 0.20 KW-DA (V) 74 m

He's Alive, Inc. proposes to amend its pending application to construct a new educational FM station to serve Murrysville, Pennsylvania. The proposed facility would have maximum effective radiated power of 0.20 kilowatts at 74 meters above average terrain (AAT) using a vertically polarized directional antenna. The instant amendment proposes to modify the directional antenna pattern to eliminate mutual exclusivity with the proposed improvement application of WRCT, Pittsburgh. The two applications have been designated for hearing in MM Docket 92-132.

This amendment will result in more than 50% change to the coverage area from that proposed in the preceding amendment. However, it is believed that such a change is permissible when the result is resolution of a mutually exclusive situation.

The proposed 60 dBu contour will not cover the entire Municipality of Murrysville, but, as noted on Figure 2, the contour will cover the populated area known as "Murrysville" within that municipality. As the coverage of the municipality is increased from that which was accepted in the preceding amendment, and no principal community coverage requirement exists in the FCC Rules for educational stations, it is believed that this application is acceptable as now proposed.



**Table 2****Proposed Coverage and Interfering Contours**

prepared for

**He's Alive, Inc.****Murrysville, Pennsylvania****Ch 201A 0.2 KW-DA(V) 74 m**

<u>Azimuth</u> (deg. T)	<u>Effective Antenna Height</u> (m)	<u>Effective Radiated Power</u> (dBk)	<u>Interfering</u>				<u>Protected 60 dBu</u> (km)
			<u>100 dBu</u> (km)	<u>80 dBu</u> (km)	<u>54 dBu</u> (km)	<u>40 dBu</u> (km)	
0	101	-7.0	1.5	3.9	18.1	42.1	12.3
10	77	-7.0	1.5	3.4	15.1	36.6	10.8
20	58	-7.0	1.5	3.0	13.2	31.4	9.5
30	48	-9.0	1.5	2.4	10.8	25.2	7.5
40	39	-11.0	1.5	2.0	8.6	20.0	6.0
45	43	-12.0	1.5	2.0	8.5	19.9	6.0
50	51	-13.0	1.5	2.0	8.8	20.6	6.2
60	45	-15.0	1.5	1.7	7.2	16.7	5.2
70	31	-16.0	1.5	1.5	5.8	12.9	4.0
80	39	-17.0	1.5	1.5	6.0	13.5	4.3
90	35	-18.0	1.5	1.5	5.4	12.1	3.8
100	40	-19.0	1.5	1.5	5.5	12.2	3.8
110	38	-19.0	1.5	1.5	5.3	12.0	3.7
120	44	-17.0	1.5	1.5	6.4	14.4	4.6
130	51	-15.0	1.5	1.8	7.8	18.3	5.6
135	51	-14.0	1.5	1.9	8.3	19.4	5.8
140	56	-13.0	1.5	2.1	9.3	21.7	6.5
150	60	-11.0	1.5	2.4	10.8	25.2	7.5
160	73	-9.0	1.5	2.9	13.0	31.0	9.4
170	68	-7.0	1.5	3.2	14.2	34.3	10.2
180	79	-7.0	1.5	3.4	15.3	37.1	10.9
183	82	-7.0	1.5	3.5	15.6	37.9	11.1
190	75	-8.4	1.5	3.0	13.7	32.9	9.8
200	75	-10.4	1.5	2.7	12.3	28.9	8.8
210	74	-12.4	1.5	2.4	11.0	25.6	7.7
220	70	-14.4	1.5	2.1	9.6	22.3	6.7
225	94	-15.4	1.5	2.2	10.4	24.4	7.3
230	98	-16.4	1.5	2.1	10.0	23.6	7.1
240	78	-17.0	1.5	1.8	8.6	20.1	6.1
250	64	-17.0	1.5	1.7	7.8	18.2	5.5

**Table 2**  
(con't)

	<b>Effective Antenna Height</b> (m)	<b>Effective Radiated Power</b> (dBk)	<b>Interfering</b>				<b>Protected</b> 60 dBu (km)
			<b>100 dBu</b> (km)	<b>80 dBu</b> (km)	<b>54 dBu</b> (km)	<b>40 dBu</b> (km)	
260	60	-19.0	1.5	1.5	6.7	15.0	4.8
270	92	-19.0	1.5	1.7	8.3	19.5	5.9
275	103	-20.0	1.5	1.7	8.3	19.4	5.9
280	89	-19.0	1.5	1.7	8.1	19.1	5.8
290	92	-19.0	1.5	1.7	8.3	19.5	5.9
296	89	-19.0	1.5	1.7	8.2	19.2	5.8
300	92	-18.2	1.5	1.8	8.8	20.6	6.2
310	109	-16.2	1.5	2.2	10.6	25.3	7.5
315	99	-15.2	1.5	2.3	10.7	25.5	7.6
320	86	-14.2	1.5	2.3	10.6	25.1	7.5
330	73	-12.2	1.5	2.4	11.0	25.7	7.7
340	103	-10.2	1.5	3.2	14.5	35.1	10.4
350	101	-8.2	1.5	3.6	16.7	39.1	11.4
356	103	-7.0	1.5	3.9	18.3	42.4	12.4

**Statement C**  
**ALLOCATION CONSIDERATIONS**

prepared for  
**He's Alive, Inc.**  
Murrysville, Pennsylvania

Ch 201A (88.1 MHz) 0.20 KW-DA (V) 74 m

The maps of Figures 4A & 4B constitute an allocation study conducted in accordance with Section 73.509 of the FCC Rules. All contours were computed using NGDC 30 second terrain data along the 8 cardinal radials from each station, except for WRCT, Pittsburgh, the proposed new station at Clarksburg and the proposed new Murrysville station. For WRCT and the proposed Murrysville facility, the contours were computed at 10° azimuths over the spans of interest. All stations with directional antennas listed in the FCC engineering database were computed at 10° azimuths, using the directional antenna parameters shown therein. The station facilities were as shown in the FCC's engineering database of August 31, 1991, except the proposed station and WRCT. All 60 dB $\mu$  contours were computed using the F(50,50) propagation curves; all other contours were computed using the F(50,10) curves, except where the distance was less than 16 kilometers, in which case the F(50,50) curves were employed. No prohibited overlap will occur between the proposed Murrysville facility and any other station. Tables 3A-C contain data with respect to facilities considered and their contour locations.

With respect to commercial stations operating on channels 254 and 255, the proposed facility will satisfy distance separation requirements of Section 73.207 of the Rules.

The proposed site is located within 320 kilometers of the Canadian border. This facility will comply with the provisions of the 1984 Working Arrangement for the Allotment and Assignment of FM Broadcasting. Details of that compliance are on file with the original Murrysville application.

## ALLOCATION STUDY CONTOUR LOCATION DATA

prepared for  
**He's Alive, Inc.**  
Murrysville, Pennsylvania

**Table 3-A**  
WVBC(LIC) Bethany, WV Ch 201A  
1.1 kW, 125 m N 40° 12' 58" W 80° 33' 31"

<u>Azimuth</u> (deg)	<u>Effective Antenna Height</u> (meters)	<u>Effective Radiated Power</u> (dBK)	<u>Contour Distances</u>	
			<u>60 dBu F(50.50)</u> (km)	<u>40 dBu F(50.10)</u> (km)
0	131.5	0.4	21.8	67.0
45	107.7	0.4	19.9	62.9
90	112.2	0.4	20.2	63.7
135	114.6	0.4	20.5	64.2
180	101.2	0.4	19.2	61.7
225	126.5	0.4	21.4	66.1
270	147.7	0.4	22.9	69.6
315	178.7	0.4	25.0	74.1

NGDC 30-Second terrain data used for all EAH calculations.

**Table 3-B**  
WRSK(LIC) Slippery Rock, PA Ch 201A  
0.1 kW, 24 m N 41° 03' 43" W 80° 02' 35"

<u>Azimuth</u> (deg)	<u>Effective Antenna Height</u> (meters)	<u>Effective Radiated Power</u> (dBK)	<u>Contour Distances</u>	
			<u>60 dBu F(50.50)</u> (km)	<u>40 dBu F(50.10)</u> (km)
0	17.0	-10.0	5.6	18.6
45	7.9	-10.0	5.6	18.6
90	16.9	-10.0	5.6	18.6
135	22.1	-10.0	5.6	18.6
180	14.3	-10.0	5.6	18.6
225	37.9	-10.0	6.3	21.0
270	44.3	-10.0	6.8	22.8
315	28.1	-10.0	5.6	18.6

NGDC 30-second terrain data used for all EAH calculations.

**Table 3-C**  
**WRCT(APP) Pittsburgh, PA Ch 202A**  
**1.77 kW, 16 m N 40° 26' 39" W 79° 56' 37"**

<u>Azimuth</u> (deg)	<u>Effective Antenna Height</u> (meters)	<u>Effective Radiated Power</u> (dBK)	<u>Contour Distances</u>	
			<u>60 dBu F(50.50)</u> (km)	<u>54 dBu F(50.10)</u> (km)
0	14.3	2.5	11.7	16.8
10	5.1	2.3	11.6	16.6
20	8.0	1.4	11.0	15.4
30	26.9	0.1	10.2	14.3
40	53.9	-1.3	12.6	18.6
45	59.2	-1.3	13.1	19.5
50	54.4	-1.3	12.6	18.7
60	15.8	-1.3	9.5	13.2
70	-0.7	-1.3	9.5	13.2
75	-9.0	-1.5	9.4	13.1
80	-11.0	-1.3	9.4	13.1
90	-4.1	-1.7	9.2	12.9
100	5.2	-1.3	9.2	12.9
110	30.5	-1.3	9.5	13.3
120	18.9	-0.6	9.8	13.7
130	53.2	0.8	14.0	20.9
135	54.1	1.4	14.6	21.8
140	38.4	1.9	12.7	18.6
150	39.7	2.5	13.2	19.6
160	25.5	2.5	11.7	16.8
180	10.2	2.5	11.7	16.8
225	-9.2	2.5	11.7	16.8
270	39.6	2.5	13.2	19.6
315	3.7	2.5	11.7	16.8

Note: antenna pattern proposed in concurrent WRCT amendment.  
 NGDC 30 Second terrain data used for all EAH calculations.